

CHEKAREV, A.P.; SHOL'YANINOV, A.P.; KLIMENKO, P.L.; LEBEDIK, G.L.

Experimental determination of instantaneous forward slip and the cross section of the metal leaving the rolls in rolling with variable radii rolls. Izv.vys.ucheb.zav.; chern.met. 8 no.6:97-100 '65. (MIRA 18:8)

1. Dnepropetrovskiy metallurgicheskiy institut.

DUBOVIK, V.N., et. prepodav.; MAMIN, A.U.. kand. geol.-miner. nauk, dets.; OTTO, P.I.; RUMYANTSEVA, A.Ya., kand. geogr. nauk, 1spolnyayushchiy obyazannosti dets.; SEREGIN, I.A., st. inzh.; MOSKALEV, A.P.; KOLESNIKOV, B.P., prof., doktor biol. nauk, rektor; OKOROKOV, V.I., kand. biol. nauk, dets.; KLIMENKO, R.A.; STARIKOVA, L.A., assistant; SHUMILOVA, V.Ya., assistant; MAKSIDMOVA, Ye.A., dets.; KIRIN, F.Ya.. kand. geogr. nauk, dets.; KUZZNETSOVA, A.V., red.; MATVEYEV, S.M., red.; MOHOZOV, V.K., red.; RUTKOVSKIY, I.M., red.; TYAZHEL'NIKOV, Ye.M., red.

[Nature of Chelyabinsk Province] Priroda Cheliabinskoi oblasti. Cheliabinsk, Ural'skoe knizhnoe izd-vo, 1964. (MIRA 18:7)  
241 p.

1. Kafedra geografii Chelyabinskogo pedagogicheskogo instituta (for Dubovik, Mamin, Rumyantseva, Kirin).
2. Nachal'nik geologicheskogo otdela Chelyabinskogo geologorazvedochnogo tresta (for Otto).
3. Chelyabinskaya gidrologicheskaya stantsiya (for Seregin).
4. Nachal'nik pochvennoy partii Chelyabinskoy zemleustroitel'noy ekspeditsii (for Moskalev).
5. Institut biologii Ural'skogo filiala AN SSSR (for Kolesnikov).
6. Kafedra zoologii Chelyabinskogo pedagogicheskogo instituta (for Okorokov, Starikova, Shumilova).
7. Chelyabinskaiy rybnyy trest (for Klimenko).

Klimenko, S. D.

3-9-9/31

AUTHORS:

Klimenko S. D., and Tul'chinskiy M. I.

TITLE:

This Was Built in 40 Years (Eto postroyeno za sorok let)

PERIODICAL:

Vestnik Vysshey Shkoly, 1957, # 9, pp 32-43 (USSR)

ABSTRACT:

In this article the author describes the development in the construction of higher educational institutions. He treats the pre-revolutionary and the pre-war periods and then gives a description of the reconstruction and new construction of vuz buildings and material bases.

The Second World War had caused great losses. Vuzes attached to the Ministry of Higher Education, USSR, lost 1,300,000 square meters of school and living accommodations, vuz buildings at Stalingrad, Kharkov, Kiyev, L'vov, Odessa, Dnepropetrovsk, Kishinev, Minsk, Voronezh, Rostov, Riga and many others were destroyed. More than 150 vuzes required a complete reconstruction.

Immediately after the war the reconstruction of the vuzes and material bases was begun. From 1946 to 1956 the floor space of school rooms and students' quarters of vuzes was doubled. The author indicates some examples and lists the vuzes where successful rebuilding activity took place.

Card 1/2

KLIMENKO, S.D.

3-58-4-28/34

AUTHOR: Klimenko, S.D., and Maykov, V.P., Candidate of Technical Sciences

TITLE: The Construction of a Technological Institute in Rangoon  
(Stroitel'stvo tekhnologicheskogo instituta v Rangune)

PERIODICAL: Vestnik Vysshey Shkoly, 1958, # 4, pp 80 - 82 (USSR)

ABSTRACT: By agreement between the USSR Government and that of the Burma Union, a number of objects of public importance will be built by the Soviet Government. The first will be the Technological Institute in Rangoon, which must be completed by 1960.

AVAILABLE: Library of Congress

Card 1/1

RAZUVAYEV, G.A.; STEPPIK, L.P.; PERVEYEV, P. Ya.; DEMIDOV, V.M.;  
ALANIYA, V.P.; SOKOLOV, N.A.; KHARCHENKO, V.G.; KRUPINA, T.I.;  
KLIMENTKO, S.K.; RASSUDOVA, A.A.; GORELIK, M.V.

Letters to the editors. Zhur. org. khim. 1 no. 12:2244-2246  
D '65 (MIRA 19sl)

1. Nauchno-issledovatel'skiy institut khimii pri Gor'kovskom gosudarstvennom universitete (for Razuvayev, Stepovik). 2. Leningradskiy gosudarstvennyy universitet (for Perveev, Demidova).
3. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni Gutkina (for Alaniya, Sokolov). 4. Saratovskiy politekhnicheskiy institut (for Kharchenko, Krupina, Klementko, Rassudova).

KLIMENKO, S.M.; STEPANOV, A.N.; GUSEV, N.V.

Cryostat for obtaining thin sections from non-fixed tissue, frozen  
with freon-12. Vop. virus. 5 no. 1:106-108 Ja-F '60.

(MIRA 1412)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(MICROTOME)

KLIMENKO, S.M.; AZADOVA, N.B.

Use of fluorescence antibodies for the detection of influenza viruses in the lungs in mice. Vop. virus. 5 no. 2:160-167 My-S '60. (MIRA 14:4)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
(INFLUENZA) (ANTIGENS AND ANTIBODIES)

GAYDAMOVICH, S.Ya.; L'VOVA, A.I.; KLIMENKO, S.M.

Detection of the virus of tick-borne encephalitis in tissue culture  
by means of fluorescent antibodies. Vop. virus 6 no.4:399-404 '61.  
(MIRA 14:11)

1. Laboratoriya diagnostiki i ind'vatsii virusov Instituta virusologii  
imeni D.I.Ivanovskogo AMN SSSR, Moskva.  
(ENCEPHALITIS) (ANTIGENS AND ANTIBODIES)

ROVNOVA, Z.I.; KOSYAKOV, P.N.; KLIMENTKO, S.M.; GETLING, Z.M.

Effect of antibodies and inhibitors on the virus-cell system.  
Vop. virus 8 no.2:150-155 Mr-Ap'63 (MIRA 16:12)

1. Institut virusiologii imeni D.I.Ivanovskogo AMN SSSR, Moskva.

ZHDANOV, V.M.; LIPKIND, M.A.; KLIMENKO, S.M.; ZAKSTEL'SKAYA, L.'a.

Some parameters of nucleocapsids of the Sendai virus. Vop. virus 9 no.4:412-417 Jl-Ag '64. (MIRA 18:7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.

GOFMAN, Yu.P.; KLIMENKO, S.M.

Use of ferruglobulins in electron-optical immunomorphology.  
Vest. AMN SSSR 18 no.11:61-65 '63 (MIRA 17r7)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR.

STAKHANOVA, V.M.; KLIMENKO, S.M.; ZHANTIYEVA, Ye.M.

Genetic recombinations between related influenza viruses. Biul.  
eksp. biol. i med. 58 no.8:94-97 Ag '64.

(MIRA 18:3)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.  
Submitted July 28, 1963.

KLIMENKO, S.M.; SELIVANOV, Ya.M.; MEN'SHIKH, L.K.; GLAGOLEV, A.A.

Structure of the influenza virus. Vop. virus. 10 no.3:315-319 My-Je  
'65. (MIRA 18:7)

1. Institut virusologii imeni Ivanovskogo AMN SSSR, Moskva.

GUSHCHIN, B.V.; KLIMENKO, S.M.

Electron microscopic autoradiography. Vop. virus. 10 no.4:  
387-396 J1-Ag '65. (MIRA 18:8)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

KLIMENKO, S.M.; YERSHOV, F.I.; GOTMAN, Yu.P.; NABATNIKOV, A.P.; ZEDANOV, V.M.

Characteristics of the structural organization of the Venezuelan  
equine encephalomyelitis virus. Vop. virus. 10 no.5:520-525 8-0  
'65. (MIRA 18:11)

1. Institut virusologii imeni D.I. Ivanovskogo AMN SSSR, Moskva.

KLINTENKO, I.A.;  
ANDRIANOV, P.K.; ANDRIANOV, S.M.; BEREZIKOV, B.S.; GOLOVKO, V.O. [Holovko, V.H.]; DOBROVOL'SKIY, A.V. [Dobrovols'kiy, A.V.]; DOVGAL', M.P. [Dovgal', M.P.]; YELIZAROV, V.D. [Elizarov, V.D.]; ZHIZDRINSKIY, V.M. [Zhizdryns'kiy, V.M.]; ZVENIGORODSKIY, O.M. [Zvenigorod'skiy, O.M.]; ZAYCHENKO, R.M. [Zaychenko, R.M.]; IVANENKO, Ye.I. [Ivanenko, Ye.I.]; KOMAR, A.M.; KOS'YANOV, O.M.; KAZAKOV, O.I.; KOSIENKO, S.K.; KUDRINOV, M.M.; KIR'yAKOV, O.P.; KALISHUK, O.L.; LELICHENKO, M.T.; LIBEDICH, M.V.; MIKHAYLOV, V.O. [Mikhailov, V.O.]; MOROZ, I.I.; MOSHCHIL', V.Yu. [Moshchil', V.Iu.]; NEPOROZHNIY, P.S. [Neporoshniy, P.S.]; NEZDATNIY, S.M. [Nezdatnyi, S.M.]; NOVIKOV, V.I.; POLEVVOY, S.K. [Polevoy, S.K.]; PERECHREST, M.S.; PUZIK, O.Ye. [Pusik, O.Ye.]; RADIN, K.S.; SLIVINSKIY, O.I. [Slivins'kiy, O.I.]; STANISLAVSKIY, A.I. [Stanislav'skiy, A.I.]; USPENSKIY, V.P. [Uspens'kiy, V.P.]; KHORKHOT, O.Ya.; KHILYUK, F.P.; TSAPENKO, M.P.; SHVETS, V.I.; MAL'CHOVSKIY, V. [Mal'cheva'skiy, V.], red.; ZELENKOVA, Ye. [Zelenko, Ye.], tekhn.red.

[The Ukraine builds] Ukrains' buduius. Kyiv, Derzh.vyd-vo lit-ry  
z budivnytstva i arkhit., 1957. 221 p. (MIRA 11:5)  
(Ukraine--Construction industry)

KLIDONKO, V.

Trade union organizations are our dependable support. Sov.profso-  
juz 16 no.9:14-18 Ny '60. (MIRAL3:7)

1. Pervyy sekretar' Loganskogo obkoma Kommunisticheskoy partii  
Ukrainy.  
(Logansk Province—Trade unions)

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CIA-RDP86-00513R000723110020-5

KLIMENKO, V.

Gardening to-1e. Moskva Moskovskii rabochii, 1953. 59 p. Bibliotekha  
sadovoda-liubitelia (54-15215)

S676.K6

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723110020-5"

DEZHAMBO, M.; KLIMENTKO, V.; SIDORCHENKO, B.; SOLOMAASHCHENKO, A.;  
PAYBISOVICH, A.

Public inspectors represent a great power. Avt. transp. 37  
no. 5:49 My. '59. (MIRA 12:8)

1. Rukovoditeli avtokhosa ystva Kiyevskogo gorodskogo avtoupravleniya,  
Kiyevskogo sovnarkhosa i "Glavkiyevstroya."  
(Automobiles--Inspection)

KLIMENTOV, V. ANDRJANOVSKIY, V.

Unusual case of abnormality in a cow. Veterinariia 33 no.12:  
52 D '56. (MLRA 9:12)

(Abnormalities (Animals))  
(Cows)

KLIMENKO, V. (Leningrad); TSYRKIN, Ye. (Leningrad)

Unification of symbols in the economics literature. *Vop. ekon.*  
no.9:152-153 S '60. (MIRA 13:8)  
(Economics--Terminology)

KLIMENKO, V.

Live and work the communist way. Avt. transp. 38 no.11:7-8 N '60.  
(MIRA 13:11)

(Moscow--Transportation, Automotive)

KLIMENKO, V., delegat XXIII s"yesda Kommunisticheskoy partii Sovetskogo  
Soyuz

Schools for public services in the Ukraine. Ochr. truda i sots.  
strakh. 4 no.12:5-6 D '61. (MIRA 14:11)

1. Predsedatel' Ukrainskogo respublikanskogo soveta profsoyuzov.  
(Ukraine--Community life)

KLIMENKO, V.

This is of nationwide as well as of trade-union concern. Sov.  
profsoiuzy 18 no.6:2-4 Mr '62. (MIRA 15:3)

1. Predsedatel' Ukrainskogo respublikanskogo soveta profsoyuzov.  
(Ukraine--Agriculture) (Ukraine--Trade unions)

KLIMENKO, V. A. Cand Agr Sci -- (diss) "Principal Methods of Sunflower Cultivation in the Leading Kolkhoz ~~Name of~~ of Dnepropetrovskaya Oblast." ~~Kharkov~~ Khar'kov, 1957. 15 pp 22 cm. (Min of Agriculture USSR, ~~Kh~~ Khan'kov Order of Labor Red Banner Agricultural Inst im V. V. Dokuchayev), 100 copies (KL, 17-57, 98)

KLIMENKO, V.A.

Some means of increasing the yield of sunflowers in the steppe  
of the Ukrainian S.S.R. Zemledelie 4 no.12:59-62 D '56.  
(MLRA 10:2)

1. Dnepropetrovskoye oblastnoye upravleniye sel'skogo  
khozyaystva.  
(Dnepropetrovsk Province--Sunflowers)

A comparative analysis of the agrotechny of the sunflower  
in leading and backward kolkhozes is given; data on the rela-  
tion of the crop yield of this cultivation to various agro-  
technical methods is cited.

IVANOV, S.Z.; KLIMENKO, V.A.

Refined sugar and confectionary combine. Sakh.prom.30 no.2:55-56  
P 1956. (MLRA 917)

1. Leningradskiy tekhnologicheskiy institut pishchevoy promyshlen-  
nosti (for Ivanov). 2. Odesskiy sakharo-rafinadnyy zavod (for Kli-  
menko)

(Sugar industry)

KLIMENKO, V.A.; KUTS, I.P.

Borhole electromagnet. Sbor.luch.rats.predl. pt.2:59-61 '63.  
(MIRA 17:5)

1. Primorskoye geologicheskoye upravleniye.

KLDENKO, V.A., starshiy spetsialist vrach-stomatolog

Prevention of dental caries. Med. sestra 20 no.4:33-36 Ap '61.  
(MIRA 14:5)

1. Iz Upravleniya spetsializirovannoy meditsinskoy pomoshchi  
Ministerstva zdravookhraneniya SSSR, Moskva.  
(TEETH—DISEASES)

KLIMENKO, V.B., PINCOINA, R.I.

Variability of pea seed proteins during ripening. Biotekhnika 29 no.3:  
377-385 My-Je '64. (MIRA 18:4)

1. Laboratoriya khimii belka Kishinevskogo universiteta.

DIAMANT, S.Ya.; KLIMENKO, V.F.

Towards new frontiers in the seven-year plan. Avtom., telem.  
i svias' 5 no.10:22-23 0 '61. (MIRA 14:9)

1. Zamestitel' redaktera dorozhnoy gazety "Yushnaya magistral'"  
(for Diamant). 2. Zamestitel' nachal'nika Rzhevskoy distantsii  
signalizatsii i svyazi Yushnoy dorogi (for Klimenko).  
(Railroads--Signaling) (Railroads--Employees)

KLIMENKO, V.O., armaturshchik

Clamp for stretching rolled steel wire. Suggested by V.O.Klimenko.  
Rats.i izobr.predl.v stroi. no.16:77-78 '60. (MIRA 13:9)

1. Trest No.27 Mytishchistroy, Moskva, ul.Osipenko, d.80/2.  
(Reinforced concrete)

KLIMENKO, V.O.; GOL'DENBERG, G.G.

Nitrogen-containing substances in sorghum (*Andropogon sorghum* Brot.).  
Biokhim. zerna no.5:214-227 '60. (MIRA 14:5)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.  
(Sorghum)

KLIMENKO, V.O.

Nitrogen-containing substances in the fresh and dried vegetative  
matter of some plants. Trudy po khim. prirod. soed. no.5:3-14 '62.  
(MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo uni-  
versiteta.

—KLEMENKA

CA

## POSITIONS AND COORDINATES

772

Biol. Lab.,  
Chernovtsy UNIV.

**Microdetermination of total sulfur in biological materials. V. C. K. Kuroda, *Biochemistry* 16, 1-6 (1969).** Treatment of proteins and tissues with alkali transforms the reduced S into sulfide and hydrosulfides. These are converted into sulfates by a mixture of  $\text{Na}_2\text{Cr}_2\text{O}_7$  and  $\text{HgCl}_2$ . The total sulfate is assayed by a mixture of  $\text{BaCrO}_4$  and  $\text{HgCl}_2$ . The method is titrated with  $\text{NaOH}$ . The sample, 10 mg. of 1, is boiled for 1 hr. with 10 ml. of 10%  $\text{NaOH}$ . The mixture is refluxed for 12 hrs. with 10 ml. of the oxidation mixture (1 vol. concd.  $\text{HgCl}_2$  and 3 vol. concd.  $\text{HCl}$ ). The solution is cooled, 10 drops of 10%  $\text{NaOH}$  are added, and the residue heated in a muffle furnace. The excess, to 10 drops, is reprecipitated after the solution is cooled to 10 ml.  $\text{HgCl}_2$  (1 ml.  $\text{HgCl}_2$  and 3-4 drops 3 N  $\text{HgCl}_2$ ), and made up to 20 ml. with  $\text{HgCl}_2$ . A 10 ml. portion is treated in a 25-ml. volumetric flask with 0.5 ml. 3 N  $\text{HgCl}_2$  and 0.5 ml. of a  $\text{BaCrO}_4$  suspension (the  $\text{BaCrO}_4$  obtained from 10 g.  $\text{K}_2\text{Cr}_2\text{O}_7$  and 100 g.  $\text{BaCl}_2$ , suspended in 1 l.  $\text{H}_2\text{O}$ ). The flask is warmed on a boiling water bath for 15 min. The cooled solution is neutralized with 20%  $\text{Na}_2\text{CO}_3$ .  $\text{BaS}$  and  $\text{BaCrO}_4$  precip. The mixture is made up to 100 ml. and centrifuged. A 10 ml. portion of the supernatant liquid is treated with  $\text{KI}$  and  $\text{HgCl}_2$ , and the filtrated I titrated with 0.012 N  $\text{NaOH}$ , 1 ml. of which corresponds to 1.0002 mg. S. A blank usually requires 0.040-0.14 ml. of 0.012 N  $\text{NaOH}$ . The accuracy is  $\pm 2\%$ . The method was successfully applied to the S data in leaves, plants, animal tissues, eggs, seeds, and carots. H. Pringle

1995-1996 CLASSIFIED

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CIA-RDP86-00513R000723110020-5"

KLIMENKO V. G.

5140. KLIMENKO V. G. Effect of solvents on the degree of extraction and amino-acid composition of seed proteins Biochim., Moscow 1950, 15/2 (186-190) Tables 3

Alkaline solutions, even as strong as 0.2% NaOH, remove the proteins from peas and wheat completely. Wheat protein is more difficult to remove. Total N and S are not affected by using this solvent. Leicester - San Francisco

SO: Excerpta Medica, Section II, Vol. 4, No. 10

Chernovitz State Univ.

10

*6A*

Nitrogen-containing substances of some representatives of leguminous plants. V. O. Klimenko (Chernivtsi State Univ., U.S.S.R.), Biokhimiya 13, 408-13 (1960).—The different types of leguminous plants cultivated in pre-Karpats were investigated for N, S, amine oxide, and protein fractions extd. by various solvents. H. P.

KUZNETSOV, V. G.

1. Nitrogen-containing substances of various soys. V. G. Kuznetsov (Ural, Chernovitzi). *Littera Russkaia, Zemel'nye i gospodarstvennye issledovaniia* (1940), 2, 1, 1, 78-87. Total N of the seed cont., total N of the protein, protein N, and total S were determined. Flours from various soys were analyzed for protein and for inorganic N. Total protein was isolated and purified from soy seeds, on which were determined total N and total S. After hydrolysis of the protein component, the following were determined: basic N, inorganic N, ammonium N, monoamino and N, dipeptides and N, N-oxides, sarcosine, histidine, tyrosine, cysteine, tryptophane, and tyrosine. Differences in hydrolysis products for various soy seeds were investigated.

Clayton P. Holloway

• Amino-acid composition of proteins from seeds of various beans. V. G. Klimskikh (Univ. Chernovitsi). U.S.S.R. Biokhimiia, 1960, 25(228-7, in Russian) (1960).—Total N; total S and av. seed wts. were detd. Isolated proteins were analyzed for total hydrolysable N, amide N, ureic N, total N, imidino-acid N, monocarboxylic acid N, dicarboxylic acid N, arginine, histidine, cystine, lysine, tyrosine, and tryptophan. Proteins of various beans are nutritionally complete with respect to amino acids. Clayton F. Holoway

KLDNEKO, V.G.

Nitrogen-containing substances in acorns of various oak species.  
Ukr.biokhim.zhur. 22 no.2:188-196 '50. (MLR 9:9)

1. Biokhimichna laboratoriya Chernivets'kogo universitetu.  
(ACORNS) (PROTEINS)

110

Species variation of lucerne seeds in respect to nitrogen content. V. G. Kharlamov (Chernovitsy State Univ.), Dobrolyubova, Vses. N.S.N.R. 71, 101-3 (1960). The following values were obtained for *Lupinus angustifolius* (I), *L. albus* (II), and *L. sativus* (III), resp., for percentage N in seeds free of outer skin, in seed skin, and in the streams obtained from the seed meal after treatment with 0.2% NaOH and 0.2% AcOH, total N, total P, seed/skin N ratio, seed/skin N ratio, N:P ratio, and N:P ratio: I 5.58, 0.21, 0.02, 0.26, 17.7, 8.4, 10.8, and 7.8; II 8.01, 0.6, 0.38, 0.02, 0.44, 13.4, 13.9, 13.0, and 6.1; III 7.99, 0.64, 0.72, 0.08, 1.08, 12.8, 11.1, 11.8, and 7.4. Ratio of seed meals of I, II, and III with 10% 75% NaCl, 70% KCl, 0.2% NaOH, and 0.2% AcOH showed that similar species variations exist and exist. N does not depend on the initial content as much as on the particular species used. The main extr. takes place with NaOH; substantially all protein N being removed in this extr., the protein N values are 22.67% for I, 20.81% for II, and 22.13% for III. Amino acid content of the proteins also varies; I is relatively high in cystine and tyrosine and low in arginine, histidine and tyrosine, while II is high in arginine, lysine, and cystine, and III is high in arginine, histidine, tyrosine, and tryptophan and low in cystine and tyrosine. The general alkaloid levels of the species are: high in I, moderate in II and very low in III. (S. M. Kondapalli)

KLIMENKO, V.O.

Separation and purification of proteins from plants. Ukr.biokhim.shur. 24 no. 4:499-503 '52. (MLRA 6:11)

1. Laboratoriya biokhimii rasteniy Kishinevskogo gosudarstvennogo universiteta.  
(Proteins) (Botanical chemistry)

KLIMENKO, V. O.

Biological Chemistry, Biochemistry of Plants (16548)

Izv. Akademiya Nauk SSSR, No 2, 1953, pp 75-78

Dorokhov, L. M.; Klimenko, V. O.; Korokhov, B. L.

Effect of Conditions of Mineral Nutrition on Some Physiological Indexes and  
on Nitrogen-Bearing Substances in Winter Wheat Grain.

Conducted experiments on the growth of various types of winter wheat by  
using various fertilizers containing phosphorus and potassium salts. The  
conditions of mineral nutrition have an effect on the form in which nitrogen  
exists in the grain.

So: Moscow, Referativnyy, Zhurnal -- Khimiya No 4, 1954 W-31059

KLIMENKO, V. G.

The forms of nitrogen of seeds and proteins in beans.  
V. G. Klimenko. Uchenye Zapiski Kishinev. Univ. 8, 120-121 (1968). *Khimi. Zbir., Kish., 1968, No. 41421; cf. C.A. 68, 12238g.* <sup>1/10</sup>  
1968.—N fractions of beans grown in Moldavia have been investigated by the method given in C.A. 68, 12238g. It has been found that the differences in the N fractions result more from the climatic fluctuations of the region rather than from the bean varieties. For example, the seeds of the same bean variety contained, in 1948, 3.73, and in 1960, 4.30% of total N, resp. The soles, which have been used, ext. different units of protein-N fractions, depending on the concns. of the soles. The total amt. of proteins (ext. by alkali) can not be used to differentiate the bean varieties because the relative differences in the protein- and amino acid fractions found in the exts. are less pronounced than they actually are in the seeds. Quant. and qual. data of amino acids in seeds indicate that the proteins of beans are of full nutritional value.

Klimentko, V.G.

✓ Nitrogen fractions of seeds of some leguminous plants.  
V. G. Klimentko and V. A. Kostyuk. *Uchenye Zapiski  
KINROV. Otdel. 8*, 153-61 (1952); *Refiz. Zhar., Khim.* 1954,  
No. 41420.—Seeds of 13 different leguminous plants were  
soaked with mixtures of 10% NaCl and 0.5% NaOH. In each  
case the extract, containing until no protein, was obtained. In  
this extract, protein sol. in 0.5% NaCl were  
dried, by making 20-fold dil. of the 10% NaCl extract, with  
diluted water and by removal of the liquid. (typed) protein  
fraction. Seeds of pea, honey locust, and bladderwort  
contain more of the total seed protein N fractions, extractable  
with 10% NaCl soln. than great varieties of this plant  
family. The protein N, extractable with 0.5% NaOH soln.,  
is present in the smallest seeds, in seeds of chick pea and  
lupine, and in the largest seeds, in seeds of honey locust and  
bladderwort. The seeds of the leguminous plants of the  
family contain the largest share of the protein N, and in  
0.5% NaCl.

HD

B. Wiegfeld

①

KLIMENKO, V.G.

KLIMENKO, V.G.

110  
The forms of nitrogen of seeds and proteins of lupines.  
V.G. Klimentko. Ucheprizpiski Kirgizov. Upr. 8, 165-73  
(1958); Adres. Zavod. Akad. 1958, No. 1) 122. -- The amts. of total N, extractable N, and straw N have been studied in seeds of 3 species, *Lupinus angustifolius* (alkaloid-rich), *L. albus* (alkaloid-poor), and *L. latifolius* (alkaloid-free). The N-fractions have been also studied in protein preps. from the seeds (by the method of K., C.A. 45, 1656). It has been found that the amts. of N fractions in the lupine seeds varies with the amt. of alkaloids in the seeds and that the amts. of different N fractions exist. depend on the concn. of the solvents used: NaOH soln. of any concn. extracts protein N entirely, while NaCl and HCl solns. extract only a part of protein N, depending on the species. By making use of 5, 6, 10, 16, and 20% NaCl extract. of the seeds proves a genetic relation has been established between the alkaloid-poor and alkaloid-free lupines. No genetic differences have been found in the lupine proteins as far as the following N fractions are concerned: total N, amide N, hemic N, amino acid N, and the amts. of arginine, histidine, tyrosine, and tryptophan. E. Wierbicki.

KLIMENTKO, V.G.

Forms of nitrogen in the seed and proteins of some varieties of peas.  
Biokhimiya 18, 141-50 '53. (MIA 6:4)  
(CA 47 no.1718842 '53)

1. Univ. Kishinev, Bessarabia.

KLIMENKO, V.O.

Forms of nitrogen and protein in the seeds of tree and bush forms of the  
bean family. Ukrains. Biokhim. Zhur. 25, No.1, 54-61 '53. (MLRA 6:5)  
(CA 47 no.22:12532 '53)

1. State Univ., Kishinev.

KILIMENTO, V.O.

Forms of nitrogen in seeds, and the proteins of *Dolichos lablab* L., *Phaseolus aureus*, and *Phaseolus vulgaris*. Ukr.biokhim.zhur. 25 no.3:342-350 '53.  
(MLBA 6:8)

1. Laboratoriya biokhimii rasteniy Kishinevskogo universiteta.  
(Beans) (Proteins)

KLIMENKO, V. O.

Nitrogen-containing substances in the seeds of leguminous  
hay crops. Uch. zap. Kish. un. 13:117-130 '54. (MLRA 9:10)

(Moldavia--Legumes) (Nitrogen)

KLIMENKO, V.O.

Nitrogen compounds in the seeds and proteins of some varieties  
of soybean. Biokhimiia 19 no.1:3-10 Ja-F '54. (MIRA 7:3)

1. Laboratoriya biokhimii rasteniy Kishinevskogo gosuniversiteta.  
(Soybean) (Nitrogen compounds)

KLIMENTO, K. G.

Variation in the amount of nitrogenous substances in corn and  
barley grain depending on the year of harvesting. Uch. sap.  
Kish. un. 13:131-143 '54. (MLRA 9:10)

(Moldavia--Corn (Maize)--Varieties)  
(Moldavia--Barley--Varieties)  
(Nitrogen)

KLIMENKO, V.G.; LEVSHENKOVA, B.

Proteins in the grain of different rye varieties. Uch. zap. Kish.  
un. 13:145-153 '54. (MLRA 9:10)

(Moldavia--Rye--Varieties) (Proteins)

KLIMENKO, Vasiliy Gur'yevich -- awarded sci degree of Doc Biol Sci for  
19 Jun 56 defense of dissertation: "Forms of nitrogen of the seed and  
of the albumins of the pulse family" at the Council, Kiev State Univ  
imeni Shevchenko; Prot No 6, 15 Mar 58.

(BMVO, 7-58,21)

"APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723110020-5

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723110020-5"

KUIMENKO, V.G.

2910 Proteins of *Leptospiral* serovar. *Engeln*

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723110020-5"

USSR / Plant Physiology. Respiration and Metabolism. 1-2

Abs Jour: Ref Zhur-Biol., 1958, No 16, 72564.

Author : Klimenko, V. G.; Alekseyeva, M. V.

Inst : Kishinev University.

Title : Influence of Solvents on the Content of Forms of Nitrogen in the Seed and Proteins of Some Representatives of Leguminosae.

Orig Pub: Uch. zap. Kishenevsk. un-ta, 1957, 27, 11-18.

Abstract: The N content of amides and of different amino-acids depended to the slightest degree on the method of their isolation rather than on the botanical-systematic make-up of the plants of Leguminosae.

Card 1/1

COUNTRY : USSR  
 CATEGORY : Cultivated Plants. Cereals.  
 ABS. JOUR. : RZhBiol., No. 23 1958, No. 104642  
 AUTHOR : Klimenko, V. G., Kozubenko, V. E.  
 INST. : Kishinev University  
 TITLE : Grain Proteins in Different Corn Hybrids.  
 ORIG. PUB. : Uch. zap. Kishinevsk. un-t, 1957, 28, 9-28

ABSTRACT : Results of an analysis of corn grain in 1955 at the breeding nurseries of Chernovitskaya Agricultural Station, for the content of total N, protein N and its different forms. In the varieties analyzed, nitrogen fluctuates from 1.52 to 2.19%. In regard to the amount of total N, the grain of the hybrids was inferior to that of the parents. The low N content in the grain of  $F_1$  is explained as follows: it produces greater vegetative mass and more grain than the parental forms and  $F_2$ ; the amount of N present in the soil, is insufficient for the formation of a maximum

CARD: 1/2

APPROVED FOR RELEASE: 09/18/2001 CIA-RDP86-00513R000723110020-5  
 Abs. Jour. : REF ZHUR.BIOL., 21, 1958, NO. 104675  
 Author : Klimenko, V. G., Kalinina, L. V., Ivanova, A. M.  
 Institut. : Kishinev Univ.  
 Title : The Effect of Various Sowing Periods on the Protein Content and Amino Acid Composition of the Beans of Certain Soy Varieties.  
 Orig. Pub. : Uch. zap. Kishinevsk. un-ta, 1957, 28, 29-48

Abstract : The effect of sowing time on the bean's content of forms of N, protein fractions and certain amino acids were studied in different varieties of soya grown under irrigation in Moldavia. Differences were found to exist between the varieties in the content of various forms of N (total N, stroma N, protein N, extractive N). The sowing times affected the overall nitrogen content (with later sowing there were higher percentages of N), however this was not the case in all varieties.

CARD: 1/3

Country: USSR

Category: Cultivated Plants. Grains.

Libs Jour: RZhBiol., No 22, 1958, No 100245

Author: Klinenko, V.G.; Pevzner, D.P.

Inst: Kishinev University

Title: Protein in the Kernels of Hulless Barley.

Orig Pub: Uch. zap. Kishinevsk. un-t, 1957, 28, 49-58

Abstract: Kernels of a large collection of barley varieties were subjected to an analysis for their total N and protein contents. Data of the analyses are cited on the content of various forms of protein and amino acids according to variety groups - hulled spring varieties, hulled winter and spring varieties. It is recommended

Card: 1/2

COUNTRY : USSR  
CATEGORY : Cultivated Plants. Cereals X  
ABS. JOUR. : PZhBiol., No. 23 1958, No. 104676  
AUTHOR : Klimenko, V. G., Dymchishina, T. P.  
INST. : ~~Ural. Akad. Nauk~~  
TITLE : Proteins in the Seed of Kidney Bean Species and Forms.  
ORIG. PUB. : Ush. zap. Kishinevsk. un-t, 1957, 28, 59-70  
ABSTRACT : Results of an analysis of the seed of 8 species of kidney bean, represented by 25 test specimens, for the content of total N, protein and its different forms. Differences exist in the content of total, extractive, and intrinsically albuminous N among the kidney bean species and forms being studied. The content of these forms of N is greatly influenced

Card: 1/2

CHEPURNOV, V.S., dotsent, kand.biolog.nauk, otd.red.; KLIMENKO, V.G., prof., doktor biolog.nauk, red.; VINOGRADOV, K.A., prof., doktor biolog.nauk, red.; BURNASHEV, M.S., dotsent, kand.biolog.nauk, red.

[Transactions of the Ichthyological Conference on the Study of the Lagoons of the northwestern part of the Black Sea] Trudy 1-oy ikhtiolicheskoi konferentsii po izucheniiu morskikh limanov severo-zapadnoi chasti Chernogo morya. Kishinev, Kishinevskii gos.univ., 1960. 215 p. (MIRA 14:2)

1. Ikhtiolicheskaya konferentsiya po izucheniyu morskikh limanov severo-zapadnoy chasti Chernogo morya. 1st, Kishinev, 1959.
2. Kishinevskiy Gosuniversitet (for Chepurnov, Burnashev), 3. Odesskaya biologicheskaya stantsiya Instituta gidrobiologii Akademii nauk USSR (for Vinogradov). (Black Sea region--Fishes--Congresses)

KLIMENKO, V.G.; GOFMAN, Yu.Ya.; BARANOVA, T.A.

Proteins and nonprotein nitrogen containing substances in the seeds  
and green bulk of some vetchling species. Trudy po khim. prirod. soed.  
no. 3:27-39 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya  
khimii balka.  
(Vetchling) (Plants—Chemical analysis) (Nitrogen)

VARENNIKOVA, T.V.; KLIMENTKO, V.G.

Variability of the content of protein and nonprotein nitrogen in  
grain and green bulk of some phaseolus varieties (Ph. vulgaris L.).  
Trudy po khim. prirod. soed. no.3:83-97 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya khimii belka.  
(Beans—Varieties) (Plants—Chemical analysis) (Nitrogen)

KLIMENKO, V.O., BEREZOVIKOV, A.D.

Nitrogen containing substances of the green bulk and seeds of horse beans (*Vicia faba*) as related to the stages of their development.  
Trudy po khim. prirod. soed. no.3:145-157 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya khimii belka.  
(Broad bean) (Plants—Chemical analysis) (Nitrogen)

KLIMENTKO, V.O.; SHOLKOVSKAYA, B.I.

Proteins and nonprotein nitrogen in the grain and green bulk of chick-peas. Trudy po khim. prirod. soed. no.3:159-167 '60.  
(MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya khimii belka.  
(Chick-pea) (Plants—Chemical analysis) (Nitrogen)

KLIMENKO, V.G.; DREMova, G.V.

Variability in the content of protein and nonprotein nitrogen in the grain and green bulk of some Vigna varieties (Vigna Savi). Trudy po khim. prirod. soed. no. 3:173-183 '60. (MIRA 16:2)

1. Kishinevskiy gosudarstvennyy universitet. Laboratoriya khimii bolka.  
(Vigna—Varieties) (Plants—Chemical analysis) (Nitrogen)

KLIMENKO, V. G., SAYANOVA, V. V., ALEKSEYeva, M. V., VAYNTRAUB, I. A.,  
and GOFMAN, YU. YA. (USSR)

"Comparative Study of Seed Proteins of Some Plants by Paper Electro-  
phoresis."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

KLIMENKO, V. G., PUSHNYAK, A. N., BEREZOVIKOV, A. D., PINEGINA, R. I.,  
TSUPKANY, P. A., and VARENNIKOVA, T. V. (USSR)

"Forms Taken by the Protein and other Nitrogen Compounds in  
the Vegetative Parts of Plants."

Report presented at the 5th International Biochemistry Congress,  
Moscow, 10-16 Aug 1961

KLINENKO, V. C., GOFMAN, YU. YA., SHUTOV, A. D., VAYNTRUB, I. A. (USSR)

"Isolation of Globulins from the Seeds of Certain Leguminous  
Plants and Determination of their N-Terminal Amino Acids."

Report presented at the 5th Int'l. Biochemistry Congress,  
Moscow, 10-16 Aug 1961.

PIMECIMA, R. I., KLIMENKO, V.O.

Variability in the content of proteins and nonprotein nitrogen-containing substances in seeds of some pea species in the process of ripening. Trudy po khim. prirod. soed. no. 5:19-26 '62. (MIRA 16:11)

1. laboratoriya khimii tel'ka, Kishinevskogo gosudarstvennogo universiteta.

KLIMENKO, V.G.; VARENKOVA, T.V.

Variability of nitrogen-containing substances in the organs of beans in the process of ontogenesis. Trudy po khim.prirod. soed. no.5:27-35 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

SHVARTZ, V.S.; KLIMENTOV, V.G.

Study of salt-soluble proteins in the seeds of the millets *Setaria* *noharium* and *S. italica* by paper electrophoresis. Trudy po khim. prirod. soed. no.5:53-57 '62. (MIRA 16:11)

1. Laboratoriya khimii belka Kishinevskogo gosudarstvennogo universiteta.

VAYNTRAUB, I.A.; SHUTOV, A.D.; KLIMENKO, V.C.

Vetch seed globuline. Biokhimiia 27 no.2:349-358 Mr-Ap '62.  
(MIKA 15:8)

1. Laboratory of Protein Chemistry, State University, Kishinev.  
(GLOBULIN) (VETCH)

BEREZOVIKOV, A.D.; KLIMENTOV, V.O.

Proteins in the seeds of forage beans (Vicia faba L.). Dokl. AN  
SSSR 144 no. 3: 659-661. My '62. (NIRA 15:5)

1. Kishinevskiy gosudarstvennyy universitet. Predstavлено  
akademikom A.I.Oparinym.  
(Beans) (Proteins)

KLIMENKO, V.G.; D'YACHENKO, N.I.

Globulins of common sunflower (*Helianthus annuus* L.) seeds.  
Dokl. AN SSSR 156 no. 2:461-464 My '64. (MIRA 17:7)

1. Kishinevskiy gosudarstvennyy universitet. Predstavлено  
akademikom A.I.Oparinym.

KLIMENKO, V.G.; BEREZOVIKOV, A.D.; LEONOV, G.B.

Change in the composition of proteins in ripening seeds of lentil,  
cowpea and chick-pea. Biokhimiia 29 no.4:596-601 Jl-Ag '64.  
(MIRA 18:6)

1. Kafedra biokhimii i nauchno-issledovatel'skaya laboratoriya  
khimii belka Gosudarstvennogo universiteta, Kishinev.

BEREZOVIKOV, A.D.; KLIMENKO, V.O.

Nitrogen-containing substances in some organs of the broad bean  
(Vicia faba L.) during the process of their development. Ukr.  
biokhim. zhur. 36 no.5:739-750 '64. (MIRA 18:6)

1. Kafedra biokhimii rasteniy i nauchno-issledovatel'skaya  
laboratoriya khimii belka Kishinevskogo universiteta.

ROMANIKA, .I.; KLIMENKO, V.I.; GARMONOV, I.V., doktor geol.-  
miner. nauk, otd. red.

[Hydrogeological studies of the Kuban-Azov artesian basin]  
Gidrogeologicheskii ocherk Azovo-Kubanskogo artezianskogo  
basseina. Moskva, Nauka, 1964. 85 p. (MIRA 17:12)

KHARLAMOV, I.A.; KLIMENKO, V.I.

Automatic closing valve for prevention of leakage of compressed  
air. Prom.energ. 15 no.4:16-17 Ap '60.  
(MIRA 13:6)  
(Compressed air) (Pneumatic machinery)

ROMANIKA, L.I.; KLIMENKO, V.I.; GARMONOV, I.V., doktor geol.-  
miner. nauk, otd. red.

[Hydrogeological study of the Azov-Kuban artesian  
basin] Oidrogeologicheskii ocherk Azovo-Kubanskogo  
artesianskogo basseina. Moskva, Nauka, 1964. 85 p.  
(MIRA 18:2)

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CIA-RDP86-00513R000723110020-5"



BRUNSTEINS, Boris Anatol'yevich; KLIMENT'EV, Vladimir Leonidovich;  
TSYRKIN, Yefim Borisovich; RUDKOVSKIY, D.M., nauchn.red.;  
SEGAL', Z.O., ved.red.; DEM'YANENKO, V.I., tekhn.red.

[Production of alcohols from petroleum and gas] Proizvod-  
stvo spiritov iz neftianogo i gasovogo syr'ia. Leningrad,  
Izd-vo "Nedra," 1964. 199 p. (MIRA 17:3)

BRUNSHTEYN, B.A.; KLIMENTO, V.L.

Economics of the oxidation of paraffins, Khim.prom. no.9:662-665  
S '63. (MIRA 16:12)

PLATE 1. ROCK EXPLORATION 201 / 115  
THE GEOLOGY OF THE SOUTHERN LAKELANDS AND THE LAKES DISTRICT 4

REVIEW.—*The Collection of Articles in English on Geology*.—*Edited by J. D. B. Balfour-Browne*.—London: Macmillan & Co., 1886. Pp. xii + 100.

THE INFLUENCE OF RESEARCH AND INNOVATION ON  
GROWTH 11

APPROVED FOR RELEASE: 09/18/2001

CIA-RDP86-00513R000723110020-5"

8/064/60/000/02/22/025  
D022/D005

AUTHOR: Klimenko, V. L.

TITLE: The Scientific-technical Council at the VNIIneftekhim (All-Union Scientific Research Institute of Petroleum Chemistry)

PERIODICAL: 'Khimicheskaya promyshlennost', 1960, No. 2, p. 167

TEXT: A meeting of the Nauchno-tehnicheskiy sovet VNIIneftekhim (Scientific-technical Council of the Scientific Research Institute of Petroleum Chemistry) was held on January 20, 1960, with the participation of representatives of various institutes and organizations of the Goskhimkomitet and the Akademiya nauk SSSR (Academy of Sciences of the USSR). Among other things, the Council dealt with the plan of measures and recommendations for the organization of production and utilization of oxidation products of liquid paraffins and the exosynthesis in national economy in 1960-1965. D. V. Mushenko, Head of the Laboratory of VNIIneftekhim, delivered a report on problems of introduction of oxidation products of liquid paraffins - normal and iso-fatty acids, fat alcohols, and alkyl sulfates - into national economy. D. M. Rudkovskiy stated in his

Card 1/2

The Scientific-technical Council at the  
VNIIneftkhim (All-Union Scientific Research  
Institute of Petroleum Chemistry)

9/064/60/000/02/22/025  
B022/B005

report that the oxosynthetical process is most efficient for the production of butyl alcohols, higher alcohols ( $C_7$  -  $C_9$ , 2-ethyl hexanol), and various aldehydes which can be used as intermediates for the production of higher and polyatomic alcohols. A great part of the report dealt with the problem of choosing efficient methods of producing raw materials for plasticizers. On the basis of the reports and their careful evaluation, the Scientific-technical Council accepted concrete recommendations for an extension of the production of synthetic fatty acids and alcohols by oxidation of liquid paraffins and oxosynthesis, the establishment of new industrial objects for the production of polyatomic alcohols, and an accelerated construction of plants for oxidation and oxosynthesis.

Card 2/2

ZHUNKO, V.I.; KLIMENKO, V.L.

Production of ammonia from shale gas. Khim. i tekhn. sian.  
i prod. ikh perer. no.9:107-113 '60. (MIRA 15:6)  
(Ammonia) (Oil shales)

3/081/62/000/023/070/120  
B144/B186

AUTHORS: Osadchenko, I. N., Klimenko, V. L.

TITLE: Prospects of raw material production for petrochemistry in the petroleum refineries of the USSR

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 23, 1962, 587, abstract 23M140 (In collection: Ekon. effektivnost' neftekhim. protsessov, L., Gostoptekhizdat, 1961, 5 - 17)

TEXT: The authors think it advisable to produce the following products in petroleum refineries as raw material for petrochemistry: C<sub>2</sub>, C<sub>3</sub> and C<sub>4</sub> olefins, in some plants also fractions of C<sub>6</sub>-C<sub>8</sub> and C<sub>10</sub>-C<sub>16</sub> olefins; aromatic hydrocarbons, particularly benzene and xylene isomers; higher liquid and solid paraffins; hydrogen and synthesis gas. The following points are discussed: the processes developed and tested in the USSR for obtaining these products, the raw material sources, and the economic aspects of these processes. The flow sheet of a prospective petroleum refinery is given, including the recovery of the products mentioned. 20 references. [Abstracter's note: Complete translation.]

ACCESSION NR: AR3000207

8/0081/63/000/006/0471/0471

SOURCE: RZh. Khimiya, Abs. 6M3

AUTHOR: Zhunko, V. I.; Klimenko, V. L.

TITLE: Production of hydrogen and synthesis-gas for small and medium consumers

CITED SOURCE: Ekon. effektivnost' neftekhim. protsessov. L., Gostoptekhizdat, 1961, 74-83

TOPIC TAGS: hydrogen production, hydrocarbon conversion

TRANSLATION: Computations were made of economic efficiency of hydrogen production by various methods (high temperature oxygen conversion of hydrocarbons of natural gas, coke-oven gas, petroleum refining and oil-well gases, in shaft reactors; from liquid light hydrocarbon raw materials; electrolysis of water; iron-steam method, and others). It is shown that conversion of hydrocarbons is most advantageously effected in small tubu-

Card 1/2

ACCESSION NR: AR3000207

lar furnaces with subsequent utilization of the resultant gas for the reduction of iron ore in hydrogen furnaces. An economic comparison of the different methods is presented. Yu.P.

DATE ACQ: 16May63 ENCL: 00 SUB CODE: 00

Card 2/2

ACCESSION NR: AR3000208

8/0081/63/000/006/0473/0473

SOURCE: RZh. Khimiya, Abs. 6327 P

AUTHOR: Klimenko, V. L.; Rudkovskiy, D. M.; Ryabukhova, S. F.

TITLE: Methods of production of higher fatty alcohols C sub 7 - C sub 10 and their technical and economic evaluation

CITED SOURCE: Ekonom. effektivnost' neftakhim. protsessov. L., Gostoptekhizdat, 1961, 84-93.

TOPIC TAGS: Chemical production, fatty alcohols, polyvinyl chloride

TRANSLATION: Methods of production of C sub 7 - C sub 10 fatty alcohols used in the manufacture of plasticizers are considered (hydrogenation of fatty acid esters; oxo synthesis applied to thermal cracking gasoline, co-polymers of propylene and butylene, propylene trimers, alpha-olefins and butylenes; production of 2-ethylhexanol (I) from n-butyraldehyde (II) and from n-butyl alcohol). Extent of process development, raw material supp-

Card 1/2

ACCESSION NR: AR3000208

lies, product quality, technical and economic indicators of the process are taken in consideration. It is shown that the most efficient is the method of oxo synthesis utilizing thermal cracking gasoline distillates and paraffin-cracking products. The alcohols produced by this procedure can be used in the manufacture of polyvinyl chloride items (frost resistance to - 30°). Of promising nature is the production of I from II, with the view of utilizing the plasticizer in items having a frost resistance from -40 to -50°. See RZhKhim, 1962, 13L19. Yu.P.

DATE ACQ: 16May63 ENCL: 00

SUB CODE: 00

Card 2/2

KLIMENTKO, V.L.

Scientific and technical conference on benzene production.  
Neftekhimiia 1 no.2:292-294 Mr-Apr '61. (MIRA 15:2)  
(Benzene)

BRUNSHTEYN, B.A.; KLIMENKO, V.L.

Processes used to prepare sodium alkyl sulfates, and their  
technical and economic evaluation. Khim.prom. no.4:253-257 Ap  
'61. (MIRA 14:4)

(Cleaning compounds) (Sulfuric acid)

RUDKOVSKIY, D.M.; BRUNSHTEIN, B.A.; KLIMENTO, V.L.

Production of butyraldehydes by oxo synthesis. Khim.prom. no.51335-  
338 My '61.

(MIRA 14:6)

(Butyraldehyde)  
(Oxo process)

OSADCHENKO, I.R. ; KLIMENTKO, V.L.

Selection of an efficient technological system for petroleum refineries.  
Khim.i tekhn.topl.i nausel 6 no.381-6 Mr '61. (MIRA 14:3)

1. Bashkirskiy nauchno-issledovatel'skiy institut neftyanoy promyshlennosti.  
(Petroleum-Refining)

KLIMENKO, V.L.

Coordination conference on the expansion of the production of benzene  
and other aromatic hydrocarbons. Khim, i tekhn. topl. i masel 6  
no. 5:71-72 My '69. (MTRA 14:5)

(Benzene—Congresses) (Hydrocarbons)